

ARCHITECTURAL HIGH-OUTPUT

AHT

2x2 | 2x4 LED

CATALOG #:

TYPE:

PROJECT:

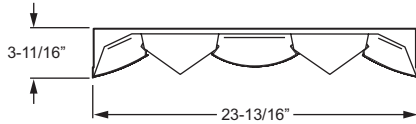
NOTES:

EXAMPLE **AHT G - 2 4 - L150/840 - A - OPTIONS - DIM - UNV**

SERIES CEILING TYPE NOM. NOM. W. L. LUMEN PACKAGE CRI & CCT SHIELDING OPTIONS DRIVER VOLTAGE



CROSS SECTION



ORDERING INFORMATION

SERIES
AHT Architectural High-Output

CEILING TYPE
G NEMA Type "G"
 For flange installations use the Drywall Kit (DFK), ordered separately, see [Technical Info](#).

NOMINAL WIDTH
2 2'

NOMINAL LENGTH
2 2'
4 4'

LED PACKAGE

Example: L150/840			
LUMEN PACKAGE	NOMINAL LUMENS	MINIMUM CRI & CCT	AVERAGE SYSTEM WATTAGE
2x2			
L40	4,000	830 = 80 CRI, 3000K	39
L60	6,000	835 = 80 CRI, 3500K	57
L76	7,600	840 = 80 CRI, 4000K 850 = 80 CRI, 5000K	72
2x4			
L40	4,000	830 = 80 CRI, 3000K	37
L80	8,000	835 = 80 CRI, 3500K	78
L120	12,000	840 = 80 CRI, 4000K	113
L150	15,000	850 = 80 CRI, 5000K	141

Nominal lumens based on 3500K CCT, actual lumens may vary.

SHIELDING
A Frosted, ribbed acrylic diffusers

OPTIONS
EM/10W EQCLIPS (L__) 10-watt emergency driver (120-277V only)
 Earthquake clips (4 per fixture)
 Additional lower lumen packages available. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
 Example: 8,500 nominal lumens = AHTG-24-L120/850-(**L85**).
CP Chicago Plenum (CCEA)

DRIVER
 Additional dimming drivers available, see [Technical Info](#).
DRV Driver prewired for non-dimming applications
DIM 10% dimming driver prewired for 0-10V low voltage applications

VOLTAGE
120 120V
277 277V
UNV 120-277V
347 347V (not available with EM drivers.)

FEATURES

- ▶ Attractive and efficient architectural fixture delivers comfortable, uniform illumination.
- ▶ A variety of LED packages deliver illumination ranging from high output for high-ceiling applications to low, ambient light levels.
- ▶ Multiple dimming protocols available.
- ▶ Minimum 80 CRI; 3000K, 3500K, 4000K, or 5000K CCT.
- ▶ Frosted acrylic diffusers combined with highly reflective matte white paint provide high optical efficiencies and visual comfort.
- ▶ One-piece diffusers eliminate the need for separate overlays.
- ▶ Shallow fixture depth allows for use in limited plenum applications.
- ▶ Tool-less, room-side access to all components.
- ▶ Integral T-bar clips quickly secure fixture to structure.
- ▶ This fixture is proudly made in the USA.



LED 2x2 | 2x4

PHOTOMETRY – 2x4

Catalog #: **AHTG-24-L150/840-A**

SPECIFICATIONS

Housing – .032" formed aluminum.
Shielding – Frosted, ribbed acrylic diffusers.
Finish – Highly-reflective non-glare matte white polyester powder coat bonded to phosphate-free, multi-stage pretreated metal. All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.

Electrical – High quality mid-power LED boards. Rated >50,000 hours at 70% lumen maintenance (L70).

Mounting – NEMA Type "G" standard. For flange installations use the Drywall Kit (DFK), see [Technical Info](#).

Labels –

- cETLus conforms to UL STD 1598 and UL STD 8750.
- Certified to CAN/CSA STD C22.2 No. 250.0.
- Suitable for damp locations.
- City of Chicago Environmental Air approved when specified with CP option.

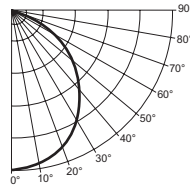
Warranty – 5-year limited warranty, see hew.com/warranty.

IMPORTANT:

Electrostatic sensitive unit. Observe precautions when handling.

TEST REPORT INFORMATION

- ▶ Test Report #: 100739865CHI-001
- ▶ Date: 09/13/12
- ▶ Lamp Type: LED
- ▶ **Rated Lumens: 15649**
- ▶ **Watts: 174.5**
- ▶ **Lumens Per Watt: 89.7**
- ▶ **CRI: 82.7**
- ▶ **CCT: 4059K**



CANDLEPOWER DISTRIBUTION

Vertical Angle	Horizontal Angle			Zonal Lumens
	0°	45°	90°	
0°	6365.	6365.	6365.	
5°	6406.	6335.	6279.	600.4
15°	6118.	6077.	6025.	1702.0
25°	5520.	5534.	5505.	2518.0
35°	4692.	4742.	4707.	2915.0
45°	3779.	3783.	3691.	2861.0
55°	2833.	2802.	2600.	2417.0
65°	1529.	1830.	1607.	1629.0
75°	608.	830.	800.	799.1
85°	158.	196.	219.	204.8
90°	27.	22.	13.	

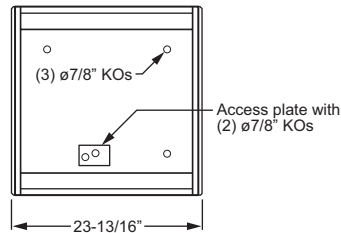
LUMEN SUMMARY

Zone	Lumens	% Fixture
0° - 30°	4820.	30.8
0° - 40°	7735.	49.4
0° - 60°	13014.	83.2
0° - 90°	15647.	100.0
TOTAL LUMINAIRE:		
0 - 180	15649.	100.0
IES Spacing Criteria: End = 1.2 Diagonal = 1.2 Across = 1.2		

FIXTURE DETAILS

BACK VIEW

2x2



2x4

